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ENERGY SYSTEM

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ABSTRACT

A low-pressure energy system is provided that includes a combustion chamber immersed in water within an insulated container. Low-pressure air flow is introduced into one end of the combustion chamber. Fuel, sparks and water are also introduced to the combustion chamber, thereby generating steam and heat. The steam is blown through the combustion chamber to a first radiator, which emits heat and a steam exhaust, which can be used to increase the humidity of the enclosure housing the energy system. The heat generated by the combustion chamber heats the water in the insulated container. The heated water is pumped through a second radiator, thereby extracting additional heat from the system. A fan may be configured to introduce air flow over both the first and second radiators, thereby further improving heat transfer to the ambient air. Water can optionally be omitted from the combustion chamber.